

HIGHLY ERODIBLE SOIL MAP UNIT LIST FOR  
STEVENS COUNTY  
C = .25 R = 100

APRIL 8, 1993

RECORD NUMBER	MAP UNIT SYMBOL	MAP UNIT NAME	T	K	I	TYPICAL SLOPE PERCENT	TYPICAL SLOPE LENGTH	LS FACTOR	HELIC CATEGORY
MN0186	AAA	AASTAD CLAY LOAM, 0 TO 2 PERCENT SLOPES	5	0.24	48	1	100	0.13	NHEL
MN8001	AF	ALLUVIAL LAND, FREQUENTLY FLOODED	5	0.24	-	1	100	0.13	NHEL
MN0050	AR	ARVESON FINE SANDY LOAM	4	0.17	86	1	100	0.13	NHEL
ND0219	BAA	BARNES LOAM, 0 TO 2 PERCENT SLOPES	5	0.28	48	1	100	0.13	NHEL
ND0219	BAB	BARNES LOAM, 2 TO 6 PERCENT SLOPES	5	0.28	48	4	125	0.44	NHEL
MN0142	BBB2***	BARNES-BUSE LOAMS, 2 TO 6 PERCENT SLOPES, ERODED	5	0.28	86	4	125	0.44	NHEL
ND0219	BBB2	BARNES-BUSE LOAMS, 2 TO 6 PERCENT SLOPES, ERODED	5	0.28	48	4	---	---	---
MN0142	BBC2***	BARNES-BUSE LOAMS, 6 TO 12 PERCENT SLOPES, ERODED	5	0.28	86	9	125	1.35	PHEL*
ND0219	BBC2	BARNES-BUSE LOAMS, 6 TO 12 PERCENT SLOPES, ERODED	5	0.28	48	9	---	---	---
ND0296	BDA	BEARDEN SILT LOAM, 0 TO 2 PERCENT SLOPES	5	0.28	86	1	100	0.13	NHEL
MN0110	BE	BISCAY SILTY CLAY LOAM	4	0.28	38	1	100	0.13	NHEL
MN0316	BF	BISCAY SILTY CLAY LOAM, DEPRESSIONAL	4	0.28	48	1	100	0.13	NHEL
MN0064	BH	BLUE EARTH SILT LOAM	5	0.28	86	1	100	0.13	NHEL
MN0051	BM	BORUP SILT LOAM	4	0.28	86	1	100	0.13	NHEL
MN0142	BNE	BUSE LOAM, 18 TO 35 PERCENT SLOPES	5	0.28	86	27	100	6.80	HEL
MN0142	BOD2***	BUSE-BARNES LOAMS, 12 TO 18 PERCENT SLOPES, ERODED	5	0.28	86	15	100	2.50	HEL
ND0219	BOD2	BUSE-BARNES LOAMS, 12 TO 18 PERCENT SLOPES, ERODED	5	0.28	48	15	---	---	---
MN0142	BUD***	BUSE-FORMAN COMPLEX, 12 TO 18 PERCENT SLOPES	5	0.28	86	15	100	2.50	HEL
ND0137	BUD	BUSE-FORMAN COMPLEX, 12 TO 18 PERCENT SLOPES	5	0.28	48	15	---	---	---
ND0295	CO	COLVIN SILTY CLAY LOAM	5	0.32	86	1	100	0.13	NHEL
ND0001	CP	COLVIN SILTY CLAY LOAM, DEPRESSIONAL	5	0.32	86	1	100	0.13	NHEL
MN0051	CU***	COLVIN-BORUP COMPLEX	4	0.28	86	1	100	0.13	NHEL
ND0295	CU	COLVIN-BORUP COMPLEX	5	0.32	86	1	100	0.13	NHEL
MN0067	DAB	DARNEN LOAM, 0 TO 4 PERCENT SLOPES	5	0.28	48	2	100	0.20	NHEL
MN0218	DLA	DOLAND SILT LOAM, 0 TO 2 PERCENT SLOPES	5	0.32	48	1	100	0.13	NHEL
MN0218	DLB	DOLAND SILT LOAM, 2 TO 6 PERCENT SLOPES	5	0.32	48	4	125	0.44	NHEL
MN0052	DO	DOVRAY CLAY, POORLY DRAINED	5	0.28	86	1	100	0.13	NHEL
MN0052	DV	DOVRAY CLAY, VERY POORLY DRAINED	5	0.28	86	1	100	0.13	NHEL
ND0018	ECB	ECKMAN VERY FINE SANDY LOAM, 1 TO 4 PERCENT SLOPES	5	0.28	86	2	100	0.20	NHEL
SD0206	ESA	ESTELINE SILT LOAM, 0 TO 2 PERCENT SLOPES	4	0.32	48	1	100	0.13	NHEL
SD0178	FDA	FORDVILLE LOAM, 0 TO 2 PERCENT SLOPES	4	0.24	48	1	100	0.13	NHEL
ND0137	FMA	FORMAN CLAY LOAM, 0 TO 2 PERCENT SLOPES	5	0.28	48	1	100	0.13	NHEL
ND0137	FMB	FORMAN CLAY LOAM, 2 TO 6 PERCENT SLOPES	5	0.28	48	4	125	0.44	NHEL
ND0137	FMB2	FORMAN CLAY LOAM, 2 TO 6 PERCENT SLOPES, ERODED	5	0.28	48	4	125	0.44	NHEL
MN0142	FUB2***	FORMAN-BUSE COMPLEX, 2 TO 6 PERCENT SLOPES, ERODED	5	0.28	86	4	125	0.44	NHEL
ND0137	FUB2	FORMAN-BUSE COMPLEX, 2 TO 6 PERCENT SLOPES, ERODED	5	0.28	48	4	---	---	---
MN0142	FUC2***	FORMAN-BUSE COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED	5	0.28	86	9	125	1.35	PHEL*
ND0137	FUC2	FORMAN-BUSE COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED	5	0.28	48	9	---	---	---
MN0027	GDA	GLYNDON SILT LOAM, 0 TO 2 PERCENT SLOPES	5	0.28	86	1	100	0.13	NHEL
MN0027	GLA	GLYNDON VERY FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	5	0.28	86	1	100	0.13	NHEL
MN0027	GMA***	GLYNDON-MCINTOSH COMPLEX, 0 TO 2 PERCENT SLOPES	5	0.28	86	1	100	0.13	NHEL
MN0074	GMA	GLYNDON-MCINTOSH COMPLEX, 0 TO 2 PERCENT SLOPES	5	0.28	86	1	100	0.13	NHEL
MN0054	GR***	GRIMSTAD-ROCKWELL FINE SANDY LOAMS	3	0.24	86	1	100	0.13	NHEL
MN0083	GR	GRIMSTAD-ROCKWELL FINE SANDY LOAMS	5	0.20	86	1	100	0.13	NHEL
ND0243	HAA	HAMERLY CLAY LOAM, 0 TO 3 PERCENT SLOPES	5	0.28	86	2	100	0.20	NHEL
MN0126	HCD2	HATTIE CLAY, 12 TO 18 PERCENT SLOPES, ERODED	5	0.28	86	15	200	3.50	HEL
MN0126	HCC2	HATTIE CLAY, 6 TO 12 PERCENT SLOPES, ERODED	5	0.28	86	9	200	1.70	PHEL*
MN0126	HNB***	HATTIE-NUTLEY CLAYS, 2 TO 6 PERCENT SLOPES	5	0.28	86	4	200	0.53	NHEL
SD0053	HNB	HATTIE-NUTLEY CLAYS, 2 TO 6 PERCENT SLOPES	5	0.28	86	4	---	---	---
MN0053	HO	HEGNE CLAY	5	0.32	86	1	100	0.13	NHEL
MN0013	HW	HIDEWOOD SILTY CLAY LOAM	5	0.28	38	1	100	0.13	NHEL

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ND0184	LP	LA PRAIRIE LOAM	5	0.28	48	1	100	0.13	NHEL
SD0176	LM	LAMOURE SILTY CLAY LOAM	5	0.28	86	1	100	0.13	NHEL
SD0176	LN	LAMOURE SILTY CLAY LOAM, FREQUENTLY FLOODED	5	0.28	86	1	100	0.13	NHEL
ND0192	MAB	MADDOCK SANDY LOAM, 0 TO 4 PERCENT SLOPES	5	0.17	86	2	100	0.20	NHEL
MN0083	MC	MALACHY FINE SANDY LOAM, LOAMY SUBSOIL VARIANT	5	0.20	86	1	100	0.13	NHEL
MN0173	MFA	MALACHY SANDY LOAM, 0 TO 2 PERCENT SLOPES	4	0.20	86	1	100	0.13	NHEL
NE0504	MH	MARSH	-	-	---	---	---	-	NHEL
MN0103	MR	MARYSLAND SANDY LOAM	4	0.28	56	1	100	0.13	NHEL
MN0074	MSA	MCINTOSH SILT LOAM, 0 TO 3 PERCENT SLOPES	5	0.28	86	2	100	0.20	NHEL
MI0392	MU	MUCK, SHALLOW	5	134		1	100	0.13	NHEL
MN0599	MV	MUCK & PEAT, CALCAREOUS	5	-	134	1	100	0.13	NHEL
MN0627	MW	MUCK & PEAT, CALCAREOUS, FLOODED	5	-	134	1	100	0.13	NHEL
SD0053	NCA	NUTLEY CLAY, SILTY SUBSTRATUM, 0 TO 2 PERCENT SLOPES	5	0.28	86	1	100	0.13	NHEL
MN0126	NHA***	NUTLEY-HATTIE CLAYS, 0 TO 2 PERCENT SLOPES	5	0.28	86	1	100	0.13	NHEL
SD0053	NHA	NUTLEY-HATTIE CLAYS, 0 TO 2 PERCENT SLOPES	5	0.28	86	1	100	0.13	NHEL
SD0174	OM	OLDHAM SILTY CLAY LOAM	5	0.28	86	1	100	0.13	NHEL
MN0035	PF***	PARNELL AND FLOM SOILS	5	0.28	38	1	100	0.13	NHEL
MN0069	PF	PARNELL AND FLOM SOILS	5	0.28	38	1	100	0.13	NHEL
MN0035	PA	PARNELL SILTY CLAY LOAM	5	0.28	38	1	100	0.13	NHEL
SD0177	RA	RAUVILLE SILTY CLAY LOAM	5	0.28	86	1	100	0.13	NHEL
SD0142	REA	RENSHAW LOAM, 0 TO 2 PERCENT SLOPES	3	0.28	48	1	100	0.13	NHEL
SD0142	REB	RENSHAW LOAM, 2 TO 6 PERCENT SLOPES	3	0.28	48	4	100	0.40	NHEL
MN0077	ROA	ROTHSAY SILT LOAM, 0 TO 2 PERCENT SLOPES	5	0.32	56	1	100	0.13	NHEL
MN0077	RZB***	ROTHSAY-ZELL SILT LOAMS, 2 TO 6 PERCENT SLOPES	5	0.32	56	4	100	0.40	NHEL
SD0196	RZB	ROTHSAY-ZELL SILT LOAMS, 2 TO 6 PERCENT SLOPES	5	0.32	48	4	100	0.40	NHEL
NE0523	SA	SANDY LAKE BEACHES	5	0.10	134	1	100	0.13	NHEL
MN0619	SGC	SIOUX GRAVELLY SANDY LOAM, 2 TO 12 PERCENT SLOPES	5	0.10	---	7	100	0.83	NHEL
MN0619	SSA	SIOUX SANDY LOAM, 0 TO 2 PERCENT SLOPES	5	0.17	86	1	100	0.13	NHEL
MN0619	SSB	SIOUX SANDY LOAM, 2 TO 6 PERCENT SLOPES	5	0.17	86	4	100	0.40	NHEL
ND0231	SVA	SVEA LOAM, 0 TO 2 PERCENT SLOPES	5	0.28	48	1	100	0.13	NHEL
MN0078	SWA	SVERDRUP SANDY LOAM, 0 TO 2 PERCENT SLOPES	4	0.20	86	1	100	0.13	NHEL
MN0078	SWB	SVERDRUP SANDY LOAM, 2 TO 6 PERCENT SLOPES	4	0.20	86	4	100	0.40	NHEL
MN0282	TAA	TARA SILT LOAM, 0 TO 2 PERCENT SLOPES	5	0.28	48	1	100	0.13	NHEL
ND0229	TO	TONKA LOAM	5	0.32	48	1	100	0.13	NHEL
MN0055	VA	VALLERS SILTY CLAY LOAM	5	0.28	86	1	100	0.13	NHEL
MN0285	WN	WINGER SILTY CLAY LOAM	5	0.28	86	1	100	0.13	NHEL

# HIGHLY ERODIBLE LAND CLASSIFICATION

NHEL = NOT HIGHLY ERODIBLE LAND

PHEL = POTENTIALLY HIGHLY ERODIBLE LAND AND REQUIRES A FIELD VISIT TO DETERMINE A REPRESENTATIVE SLOPE PERCENT AND LENGTH FOR FSA PURPOSES.

HEL = HIGHLY ERODIBLE LAND

\* THESE PHEL MAP UNITS ARE CONSIDERED HEL BASED ON TYPICAL SLOPE PERCENTAGE AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

\*\* THESE PHEL MAP UNITS ARE CONSIDERED NHEL BASED ON TYPICAL SLOPE PERCENTAGES AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

\*\*\* USE THE MOST LIMITING SOIL IN THE COMPLEX TO DETERMINE THE RATING. ONLY ONE RATING IS GIVEN FOR A COMPLEX.

HEL/C FOR WIND EROSION IS BASED ON THE C X I DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.

HEL/C FOR WATER EROSION IS BASED ON THE R X K X LS DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.